

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S101	33	(US-20010021426-\$ or US-20020183412-\$ or US-20050221033-\$ or US-20080258350-\$).did. or (US-2526523-\$ or US-4001368-\$ or US-4107245-\$ or US-4117195-\$ or US-4138462-\$ or US-4144111-\$ or US-4372898-\$ or US-4455406-\$ or US-4460748-\$ or US-4515737-\$ or US-4680319-\$ or US-4683248-\$ or US-5485541-\$ or US-5525680-\$ or US-5573720-\$ or US-5643526-\$ or US-5916509-\$ or US-5918641-\$ or US-6085799-\$ or US-6106761-\$ or US-6123114-\$ or US-6231804-\$ or US-6241840-\$ or US-6524516-\$ or US-6576342-\$ or US-6797741-\$).did. or (US-3513228-\$ or US-3551199-\$ or US-3755519-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/26 16:10
S102	9	S101 and (absorption peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/05/26 16:10
S103	2	"6106761".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/05/26 16:13
S104	25665	(absorption near2 peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/05/26 16:27
S105	3339	(absorption near2 peak) and (extrud\$3 extrusion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/05/26 16:29
S106	1527	(absorption near2 peak) with (infrared radiation wavelengths electromagnetic) and (extrud\$3 extrusion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/05/26 16:31
S107	922	(absorption near2 peak) with (infrared radiation wavelengths electromagnetic) and (extrud\$3 extrusion) and (crosslink\$3 cross-link\$3 crosslinkable vulcanization vulcaniz\$3 cure cured)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/05/26 16:32
S108	197	(absorption near2 peak) with (infrared radiation wavelengths electromagnetic) and (extrud\$3 extrusion) and (crosslink\$3 cross-link\$3 crosslinkable vulcanization vulcaniz\$3 cure cured) with (infrared radiation wavelengths electromagnetic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/05/26 16:32

SI09	121	(absorption near 2 peak) with (infrared radiation wavelengths electromagnetic) and (extruded extrusion) and (crosslink cross-link crosslinkable vulcanization vulcanization cure cured) with (infrared radiation wavelengths electromagnetic) and (tube pipe conduit tubular hollow)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/05/26 16:32
SI10	1	"6106761".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/27 07:28
SI11	1	10/507,215	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/27 08:51
SI12	0	"5918641".pn. and (infrared)	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/27 09:16
SI13	1	"5918641".pn. and (radiation)	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/27 09:16
SI14	2	("6106761" "6797741").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/27 09:17
SI15	2	("6106761" "6797741").pn. and (thick thickness)	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/27 10:02
SI16	2	("6106761" "6797741").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/27 10:03
SI17	1	"5,236,642".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/27 13:13
SI18	0	12/2221609	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/27 13:43
SI19	0	"12221609"	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/27 13:43
SI20	1	"7421830".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/27 13:44
SI21	1	"6106761".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/08 15:07
SI22	1195	(hiroshi and nishimura)	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/08 15:08
SI23	181	(hiroshi and nishimura) and (polyethylene)	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/08 15:08
SI24	68	(hiroshi and nishimura) and (polyethylene) and (infrared radiation)	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/08 15:08
SI25	26	(hiroshi and nishimura) and (polyethylene) and (infrared radiation) and (crosslink cross-link)	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/08 15:08
SI26	5	(hiroshi and nishimura) and (polyethylene) and (infrared with radiation (IR)) and (crosslink cross-link)	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/08 15:12
SI27	0	"10507215"	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/08 15:38
SI28	1	"10/507215"	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/08 15:38

S129	4962	{264/448,464,476,477,492,493,494,495,177,17,177,18,173,11,209,1,209,6,236}.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 15:42
S130	6420	{264/448,464,476,477,492,493,494,495,177,17,177,18,173,11,209,1,209,6,236}.ccls. 264/448 264/464 264/476 264/477 264/492 264/493 264/494 264/495 264/177,17 264/177,18 264/209,1 264/209,6 264/236	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 15:43
S131	28	S130 and (extrud\$3 extrusion extrudate coextrud\$3 coextrusion co-extrud\$3 co-extrusion) and (polyethylene polyolefin\$3 HDPE PEX PEXEP) and (crosslink\$3 cross-link\$3 crosslinkable cure curing cured) with (IR (infrared near2 radiation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 15:45
S132	20	S130 and (extrud\$3 extrusion extrudate coextrud\$3 coextrusion co-extrud\$3 co-extrusion) and (polyethylene polyolefin\$3 HDPE PEX PEXEP) and (crosslink\$3 cross-link\$3 crosslinkable cure curing cured) with (IR (infrared near2 radiation)) and (pipe tube tubular conduit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 15:45
S133	1380	(extrud\$3 extrusion extrudate coextrud\$3 coextrusion co-extrud\$3 co-extrusion) and (polyethylene polyolefin\$3 HDPE PEX PEXEP) and (crosslink\$3 cross-link\$3 crosslinkable cure curing cured) with (IR (infrared near2 radiation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 15:57
S134	622	(extrud\$3 extrusion extrudate coextrud\$3 coextrusion co-extrud\$3 co-extrusion) and (polyethylene polyolefin\$3 HDPE PEX PEXEP) and (crosslink\$3 cross-link\$3 crosslinkable cure curing cured) with (IR (infrared near2 radiation)) and (pipe tube tubular conduit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 15:57
S135	201	(extrud\$3 extrusion extrudate coextrud\$3 coextrusion co-extrud\$3 co-extrusion) and (polyethylene polyolefin\$3 HDPE PEX PEXEP) and (crosslink\$3 cross-link\$3 crosslinkable cure curing cured) with (IR (infrared near2 radiation)) and (pipe tube tubular conduit) and (pipe tube tubular conduit (infrared near2 radiation) IR crosslink\$3 cross-link\$3 cure curing).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 15:58
S136	186	S135 not S132	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 15:58
S137	36	S135 not S132 and (tube tubular pipe conduit).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 15:59

SI38	4	("5514312" "20010021426") pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:03
SI39	2	{US-20010021426-\$} did. or (US-5514312-\$) did.	US-PGPUB; USPAT	OR	ON	2010/07/08 16:05
SI40	0	SI38 and (IR (infrared near2 (radiation irradiat\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:06
SI41	30	("6053214" "6106761" "4107245" "3868436" "4528155" "5716574" "3928525" "5918641" "4144111" "6123114" "5573720") pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:13
SI42	3	("6053214" "6106761" "4107245" "3868436" "4528155" "5716574" "3928525" "5918641" "4144111" "6123114" "5573720") pn. and (infrared near2 radiation (IR))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:13
SI43	2	"6106761" pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:14
SI44	10	("4144111"   "4419304"   "5019417") PN. OR ("6106761") URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/08 16:14
SI45	0	"126." and (infrared near2 radiation (IR))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:15
SI46	3	SI44 and (infrared near2 radiation (IR))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:15
SI47	1	10/507215	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:16
SI48	43	{procidia} in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:16

SI49	11	SI48 and (flexible near2 (pipe bond\$3 unbonded))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:17
SI50	77	(flexible near2 (unbond\$3) with (pipe conduit tube tubular))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:18
SI51	17	SI50 and (polyethylene)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:18
SI52	17	SI50 and (polyethylene)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:18
SI53	5311	{138/118,125,137}.cds. 138/118 138/125 138/137	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:23
SI54	91	(SI29 SI30) and SI53	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:23
SI55	75	SI54 and (extrud\$3 extrusion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:24
SI56	51	SI54 and (extrud\$3 extrusion) and (polyethylene HDPE)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:24
SI57	1	SI54 and (extrud\$3 extrusion) and (polyethylene HDPE) and (infrared near2 radiation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:24

S158	20	Si53 and (extrud\$3 extrusion) and (polyethylene HDPE) and (infrared near2 radiation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:25
S159	8	(infrared near2 radiation) with (crosslink\$3 cross-link\$3) with (wavelength) with (absorption peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:29
S160	3	(infrared near2 radiation) with (crosslink\$3 cross-link\$3) with (wavelength) with (adsorption peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:30
S161	6	(infrared near2 radiation) with (crosslink\$3 cross-link\$3) with (wavelength) with (adsorp\$3 absorb\$3 peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:30
S162	2	"20020183412"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:34
S163	1	("2002/0183412").URPN.	USPAT	OR	ON	2010/07/08 16:34
S164	0	(infrared near2 radiation) with (crosslink\$3 cross-link\$3) with (wavelength) with ("3.3" "3.4" "3.5" "3.6" "6.6" "6.7" "6.8" "6.9")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:35
S165	106	(infrared near2 radiation) with (wavelength) with ("3.3" "3.4" "3.5" "3.6" "6.6" "6.7" "6.8" "6.9")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:36
S166	3	(infrared near2 radiation) with (wavelength) with ("3.3" "3.4" "3.5" "3.6" "6.6" "6.7" "6.8" "6.9") with (HDPE polyethylene)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERIVENT	OR	ON	2010/07/08 16:36

## EAST Search History (Interference)

Ref #	Hits	Search Query	Dbs	Default Operator	Plurals	Time Stamp

S167	3569	264/448,464,476,477,492,493,494,495,177,17,177,18,173,11,209,1,209,6,236).ccls.	US- PGPUB; USPAT; UPAD	OR	ON	2010/07/08 15:58
S168	5027	264/448,464,476,477,492,493,494,495,177,17,177,18,173,11,209,1,209,6,236).ccls. 264/448 264/464 264/476 264/477 264/492 264/493 264/494 264/495 264/177.17 264/177.18 264/209.1 264/209.6 264/236	US- PGPUB; USPAT; UPAD	OR	ON	2010/07/08 15:59
S169	4318	138/118,125,137).ccls. 138/118 138/125 138/137	US- PGPUB; USPAT; UPAD	OR	ON	2010/07/08 16:23
S170	597	"19" "110") and "13"	US- PGPUB; USPAT; UPAD	OR	ON	2010/07/08 16:23
S171	769	"19" "110") and "13"	US- PGPUB; USPAT; UPAD	OR	ON	2010/07/08 16:23
S172	16	(S167 S168 S169) and (extrud\$3 extrusion extrudate coextrud\$3 coextrusion co-extrud\$3 co-extrusion) and polyethylene polyolefin\$3 HDPE PEX PEXEP) and (crosslink\$3 cross-link\$3 crosslinkable cure curing cured) with (IR infrared near2 radiation)) and (pipe tube tubular conduit) and (pipe tube tubular conduit (infrared near2 radiation) R crosslink\$3 cross-link\$3 cure curing).ab.	US- PGPUB; USPAT; UPAD	OR	ON	2010/07/08 16:27
S173	12	(S167 S168 S169) and (extrud\$3 extrusion extrudate coextrud\$3 coextrusion co-extrud\$3 co-extrusion).clm. and polyethylene polyolefin\$3 HDPE PEX PEXEP) and (crosslink\$3 cross-link\$3 crosslinkable cure curing cured) with (IR infrared near2 radiation)) and (pipe tube tubular conduit) and (pipe tube tubular conduit (infrared near2 radiation) R crosslink\$3 cross-link\$3 cure curing).ab.	US- PGPUB; USPAT; UPAD	OR	ON	2010/07/08 16:27
S174	6	(S167 S168 S169) and (extrud\$3 extrusion extrudate coextrud\$3 coextrusion co-extrud\$3 co-extrusion).clm. and polyethylene polyolefin\$3 HDPE PEX PEXEP) and (crosslink\$3 cross-link\$3 crosslinkable cure curing cured) with (IR infrared near2 radiation)).clm. and (pipe tube tubular conduit) and (pipe tube tubular conduit (infrared near2 radiation) IR crosslink\$3 cross-link\$3 cure curing).ab.	US- PGPUB; USPAT; UPAD	OR	ON	2010/07/08 16:27
S175	6	(S167 S168 S169) and (extrud\$3 extrusion extrudate coextrud\$3 coextrusion co-extrud\$3 co-extrusion).clm. and polyethylene polyolefin\$3 HDPE PEX PEXEP) and (crosslink\$3 cross-link\$3 crosslinkable cure curing cured) with (IR infrared near2 radiation)).clm. and (pipe tube tubular conduit)	US- PGPUB; USPAT; UPAD	OR	ON	2010/07/08 16:27
S176	12	(S167 S168 S169) and (extrud\$3 extrusion extrudate coextrud\$3 coextrusion co-extrud\$3 co-extrusion).clm. and polyethylene polyolefin\$3 HDPE PEX PEXEP) and (crosslink\$3 cross-link\$3 crosslinkable cure curing cured) and (IR infrared near2 radiation)).clm. and (pipe tube tubular conduit)	US- PGPUB; USPAT; UPAD	OR	ON	2010/07/08 16:36

7/26/2010 7:33:18 AM

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